



Zukunftsweisende Energiespeicherlösungen

Hybrid & String Wechselrichter für Residential & C&I & Utility

Pedro Wiesmann – Country Manager D/A/CH

Solis Inverters / Ginlong Technologies Co., Ltd.

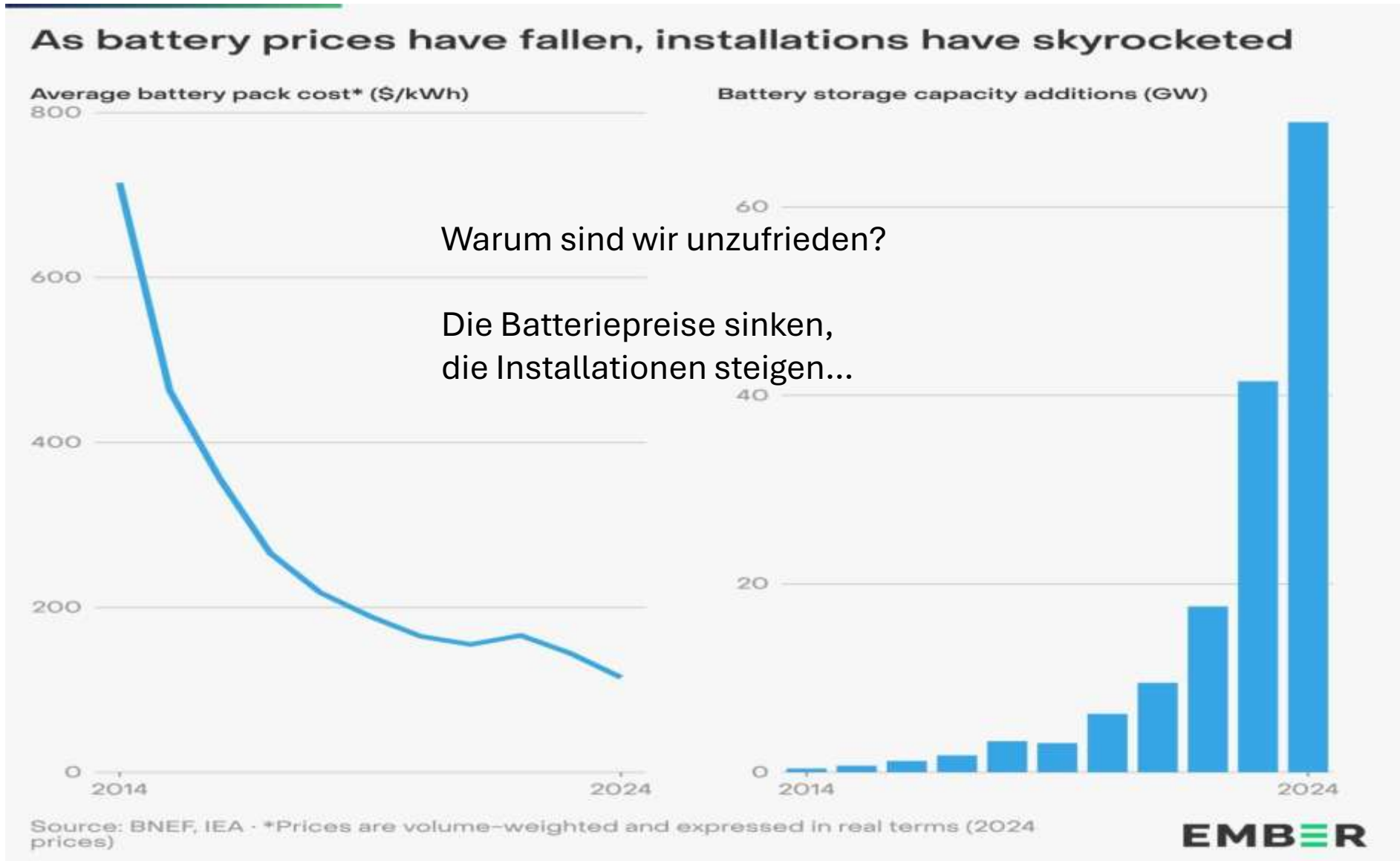
September 2025



Geschäftsklimaindex – letzte 6 Jahre



Warum sind wir unzufrieden?



PV targets and trajectories for 2040 under EEG 2023 (GW)

EEG 2023 envisages a rapid acceleration of the German PV market, which is to reach 22 GW by 2026

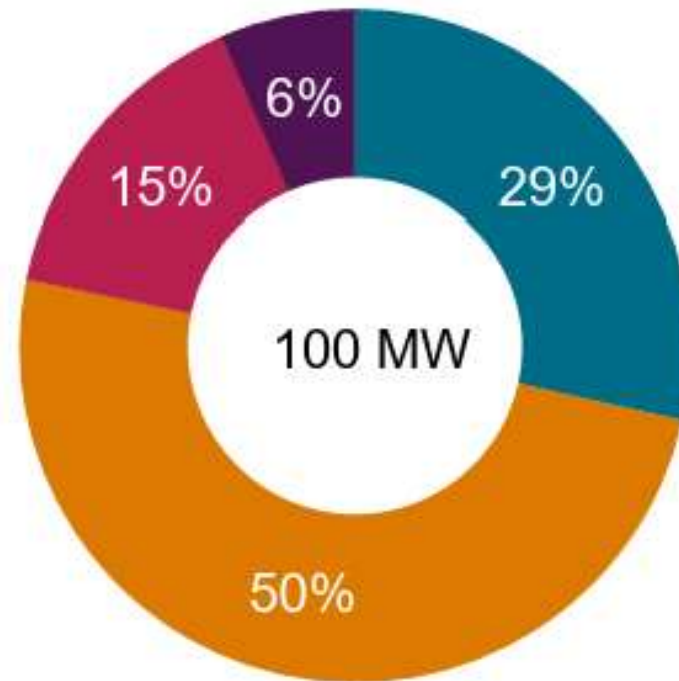
PV targets and actual annual market (GW)



Data compiled Dec. 10, 2024.
Source: S&P Global Commodity Insights.

PV market 2024–28

■ Utility-scale ■ Commercial ■ Residential ■ Dedicated PV for H2



Warum sind wir unzufrieden?

Wir befinden uns derzeit in einer Übergangsphase, in der der Großteil der Installationen vom Residential-Segment hin zu größeren C&I-Projekten sowie zu Großanlagen übergeht.

Weil der Mensch naturgemäß ungerne Veränderungen akzeptiert. Doch genau diese Veränderungen sind die einzige echte Konstante.

Germany PV inverter market data and forecasts

Index

Table 3.1 - PV inverter installations by system type, replacements and total demand in Germany
Installations (MWac), replacement inverters (MWac), total demand (MWac)

	2022	2023	2024	2025	2026	2027	2028	2029	2030	SUM (22-30)	CAGR (23-30)
Total Installations (MWac)	6.694	13.480	14.941	16.191	17.053	17.596	16.965	16.458	15.951	135.329	2,4%
Off-Grid	9	9	9	9	9	9	9	9	9	80	0,2%
Residential (≤10 kW)	1.500	3.268	2.409	2.636	2.818	2.955	3.045	3.091	3.136	24.859	-0,6%
Small Commercial (10.1 - 100 kW)	1.636	4.764	4.709	4.818	4.955	4.955	4.955	4.955	4.955	40.700	0,6%
Medium Commercial (100.1 kW - 1 MW)	795	1.573	2.068	2.182	2.386	2.364	2.318	2.273	2.227	18.185	5,1%
Large Commercial (1.01 - 5 MW)	916	1.009	1.261	1.565	1.913	2.261	2.087	1.913	1.739	14.663	8,1%
Utility-Scale (5 - 20 MW)	1.203	1.983	2.735	2.564	2.222	2.137	2.051	2.051	2.051	18.998	0,5%
Utility-Scale (>20 MW)	635	875	1.750	2.417	2.750	2.917	2.500	2.167	1.833	17.843	11,1%
Installations, Replacements and Demand											
Total New Installations	6.694	13.480	14.941	16.191	17.053	17.596	16.965	16.458	15.951	135.329	2,4%
Demand for Replacement/Spare Inverters	2.525	2.719	2.814	2.890	3.001	3.149	3.297	3.585	3.915	27.893	5,3%
Total Demand	9.218	16.199	17.755	19.081	20.054	20.745	20.262	20.043	19.866	163.222	3,0%

Data compiled December 2024.

Source: S&P Global Commodity Insights.

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Warum sind wir unzufrieden? Weil die Installationen zunehmend komplexer werden – mehr Aufwand, größere Projekte, höhere Anforderungen...



Solis Solarator - Energie Speicherlösungen



Residential 3-20 kW

Commercial & Industrial 29.9-125 kW



Export- Power-
Management
& Datalogger



S5-EH1P(3-4.6)K



S6-EO1P(4-5)K
(offgrid 1ph)



S6-EA1P(3.6-4.6)K
(AC Coupled 1ph)



S6-EA3P(5-10)KAA-NV-ND-H
(AC Coupled 3ph)



S6-EH3P(8-15)K02-NV-YD-L



S6-EH3P(5-10)K-H-EU



S6-EH3P(12-20)K-H



S6-EH3P(29,9-50)K-H




S6-EH3P(80-125)K-H

Zubehör

1ph Hybrid / Batterie- WR

3ph Hybrid- und Batterie- WR

 Neuprodukte bald verfügbar

Für Energiespeicherung und das Managen smarterer Systeme bietet Solis vielfältige Lösungen



The World's Largest Wall-Mounted Energy Storage Inverter

PV Max Generation 240kW | Battery Input 300-950V&200A | Generator Connection | Built-in EMS | IP66



125kW

bridwechselrichter
achsen



PrimePower

SolisStorage PrimePower ESS

PrimePower-109kWh-50kW-NV



PrimePower

(Battery Cabinet Solution – Outdoor Application)



31st, Aug, 2025

Battery Cabinet (IP55)

109kWh – 306Ah, 1P16S, 7 Pack (IP67), 0.5C

Standard Option

50kW Hybrid Inverter + 109kWh Battery Cabinet

EverCore

(Battery Cabinet Solution – Outdoor Application)



1st, Nov, 2025

Battery Cabinet (IP55)

100kWh/120kWh, 314Ah, 1P20S, 5/6 Pack (IP20), 0.5C

Standard Option

50kW Hybrid Inverter + 100kWh Battery Cabinet
60kW Hybrid Inverter + 120kWh Battery Cabinet

EverCore

(Battery Cabinet Solution – Outdoor Application)



1st, Dec, 2025

Battery Cabinet (IP55)

261kWh, 314Ah, 1P20S, 13 Pack (IP20), 0.5C

Standard Option

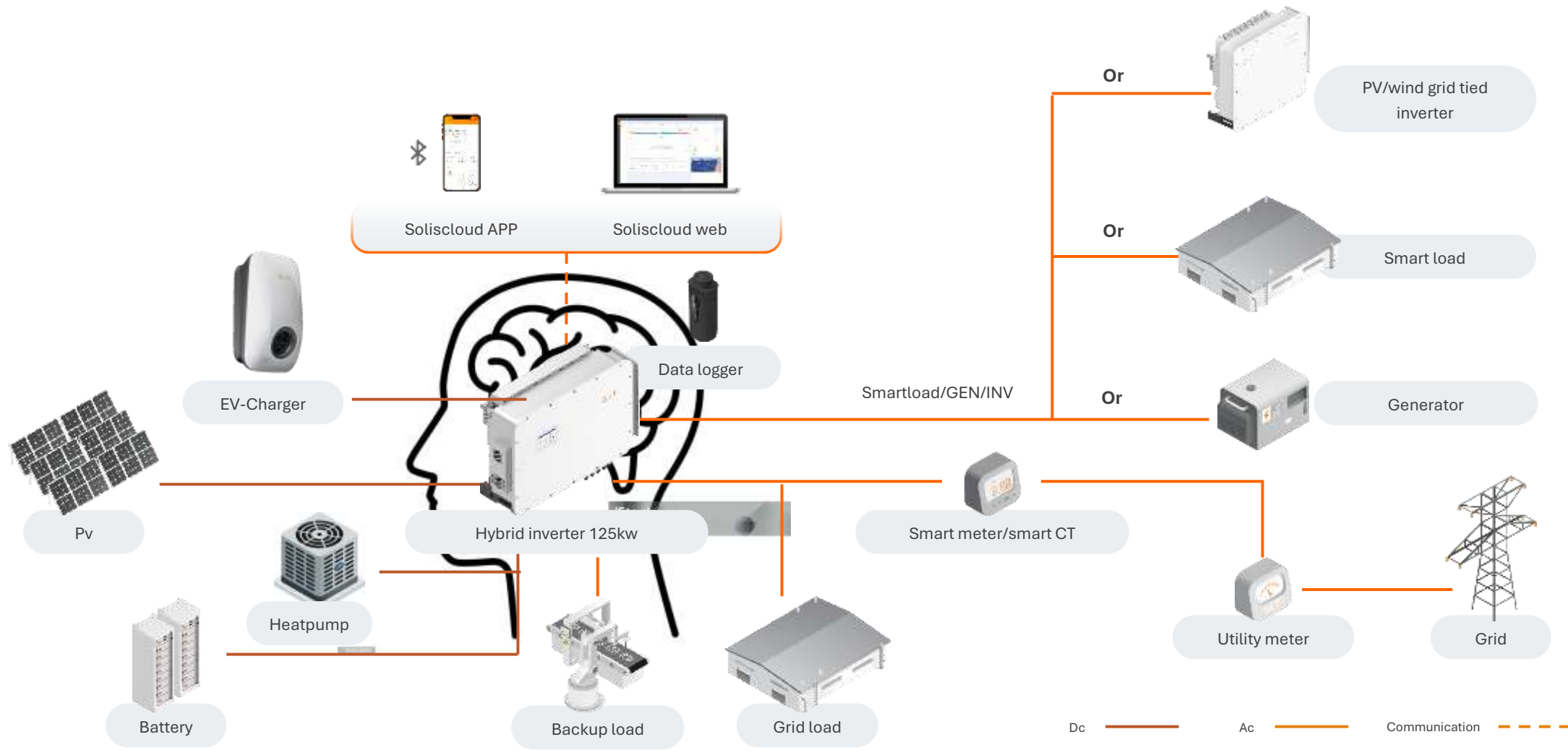
125kW Hybrid Inverter + 261kWh Battery Cabinet

2-4 Dezember
**SolarSolutions
International 2025**

 **SOLARSOLUTIONS**
 SMART STORAGE  EV CHARGING  GREEN HVAC

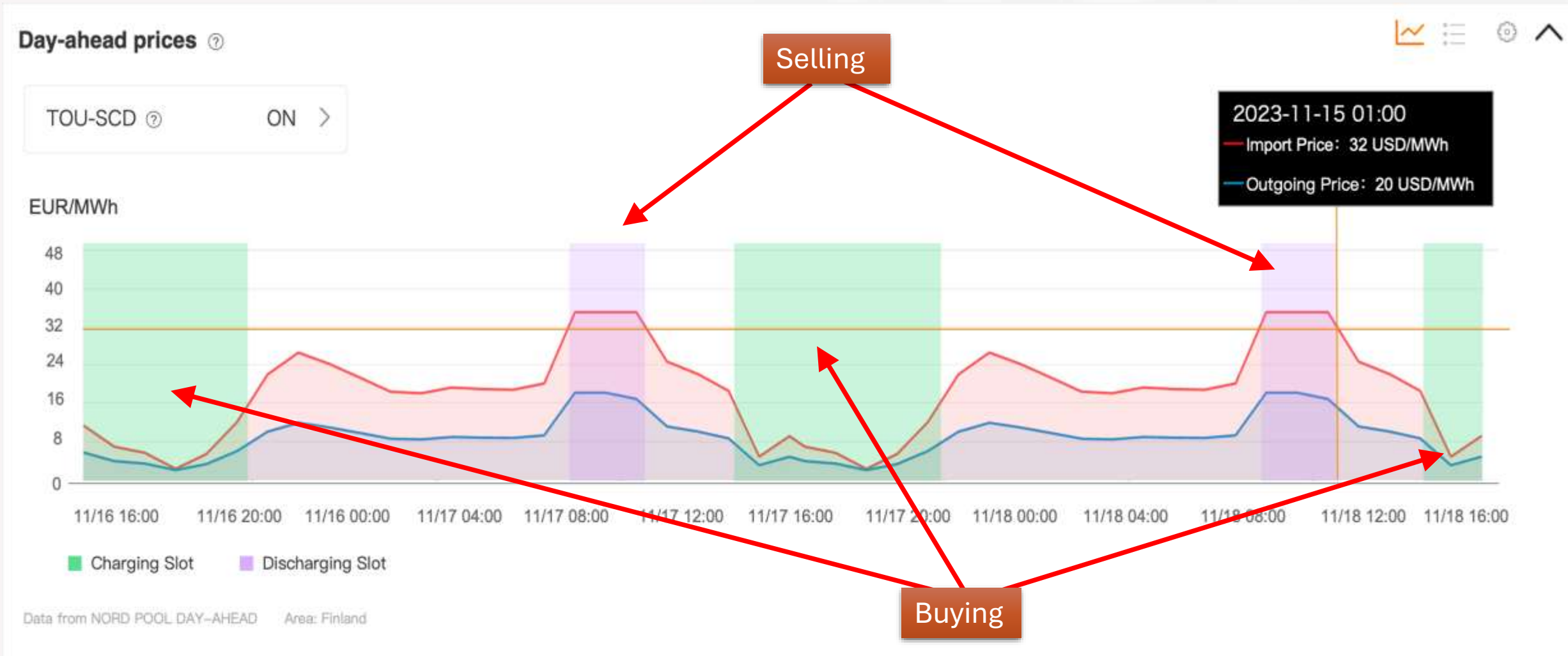


Der Wechselrichter wird zum "Gehirn" des systems.





Flexible Tarife verwenden



A modern, minimalist building with large glass windows and a concrete deck. In the foreground, there are three lounge chairs with dark cushions on a light-colored deck. A silver car is parked near the building. The background shows a body of water, trees, and a cloudy sky.

Solis AI & More

Solis Communication and Control Devices

Solis AI is the built-in smart assistant inside SolisCloud – it's designed to make your solar and battery system run as efficiently as possible, all on autopilot.

Thinks Ahead with the Weather

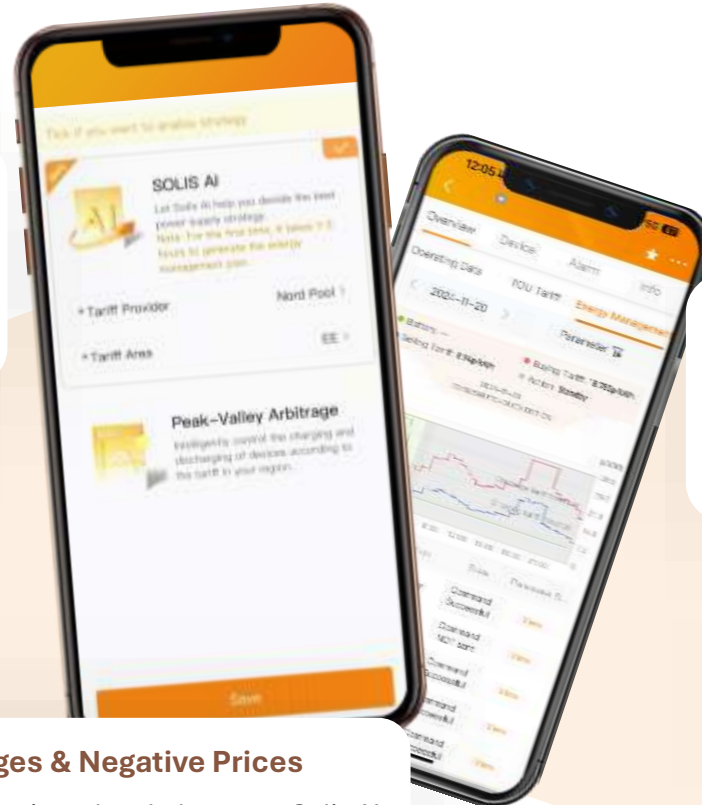
Solis AI checks the solar forecast and adjusts your battery charging to match. Expecting sun tomorrow? It'll leave space to store that free energy.

Beat the Peak

If you're on a dynamic tariff, Solis AI charges the battery when energy is cheap and uses it when prices rise — helping you avoid expensive grid use.

Handles Outages & Negative Prices

During outages or when prices drop below zero, Solis AI will automatically adjust — reducing PV output to avoid costs or storing energy for backup use.



Learns Your Habits

Over time, Solis AI understands how and when your home uses energy — and adapts your system to fit your lifestyle.

Manages Grid Limits Smoothly

It respects any import/export limits, keeping your system compliant and protecting you from peak charges.

Wer ist SOLIS?





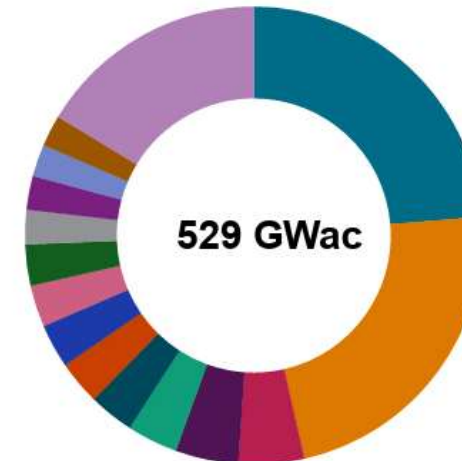
3rd Largest PV Inverter
Manufacturer Globally



Top 10 inverter suppliers are estimated to have accounted for 74% of global inverter shipments in 2023

- Sungrow and Huawei are estimated to have accounted for 46.6% of inverter shipments in 2023, increasing their share by 1.9 percentage points from 2022.
- Nine of the top 10 are estimated to have been Chinese, with SMA the only non-Chinese manufacturer in the top 10.
- Sungrow was estimated to be the largest inverter manufacturer by shipments in 2023, increasing its market share by 0.7 percentage points, to 23.8%. Its main markets were China, the US, India, Spain and Germany.
- Huawei grew its market share by 1.2 percentage points, to account for 22.9% of the market in 2023. Its main markets include China, Brazil, Spain and Germany.
- Ginlong is estimated to be ranked third owing to its presence in China, Brazil and the UK. Ginlong accounted for 4.7% of global shipments.
- Sineng Electric is estimated to have been ranked fourth, accounting for 4.5% of global shipments, with a large presence in China, India and the Middle East.
- Growatt is estimated to have been ranked fifth in 2023, with 3.6% of global shipments. Its main markets include China, Brazil and Mexico.

World top suppliers by PV inverter shipments in 2023





Solis achieves 100GW+ worldwide

100GW



Solis Brand Recognitions

GLOBAL
NO.1 INVERTER
IN HOME

Source: Wood Mackenzie 2024

BloombergNEF
TIER1

Source: BloombergNEF 2025Q1

GLOBAL
TOP3 INVERTER
SUPPLIER

Source: Wood Mackenzie

20 YEARS
Long History

2005-2025

10 YEARS
Top PV Inverter
Brands

EUPD Research 2016-2025

Top50
Most Innovative
Companies

Forbes China 2023

Top3
Bankable Asian
Inverter Brand

BloombergNEF 2023



solis

20th
ANNIVERSARY

BloombergNEF 2025Q1

Tier 1 Power Inverter List

Source: BloombergNEF

TIER 1
SOLIS

Die Entwicklung von Solis

Solis: A Global **Top 3** PV
Inverter Manufacturer

2009-2014

2009

First Asian inverter company to achieve **US UL1741** certification

2010

Second Chinese inverter company to obtain Australian **AS4777/AS3100** certification

2005-2008

2005

Solis founded by **Yiming Wang**

2006

Second inverter company to obtain **UK G83** certification

2015-2019

2016

Fourth-generation inverter released

Received first EUPD "**Top PV Inverter Brand**" award

2019

Listed on the Shenzhen Stock Exchange (Stock Code: 300763)

Ranked among the **top 3 in Asia** in BloombergNEF's Global Inverter Bankability Rankings

2020-2022

2020

Set a new record for high-power residential module current compatibility

Certified as a National Green Factory

2021

Ranked as the **world's third-largest** PV inverter manufacturer

Awarded Asia's Best Employer Award

2022

Achieved CNAS-certified National Laboratory status

2023-2025

2023

Ranked **No.1 in global** single-phase residential inverter shipments

Ranked as the world's third-largest PV inverter manufacturer for **3 consecutive years**

Recognized as a BloombergNEF **Tier 1** global PV inverter manufacturer

2024

Ranked among the Global Top 500 New Energy Companies for four consecutive years

2025

Won the EUPD "Top PV Inverter Brand" award for **10 consecutive years**

Digital Smart Factory

6_{sigma}

High-Quality Production

100%

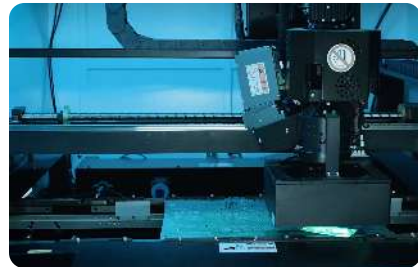
Welding Yield

100+

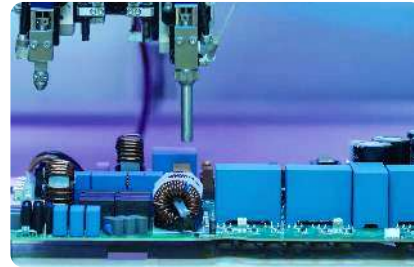
Functional Tests



Surface Mount Technology Equipment



Wave soldering



Conformal Coating Spraying



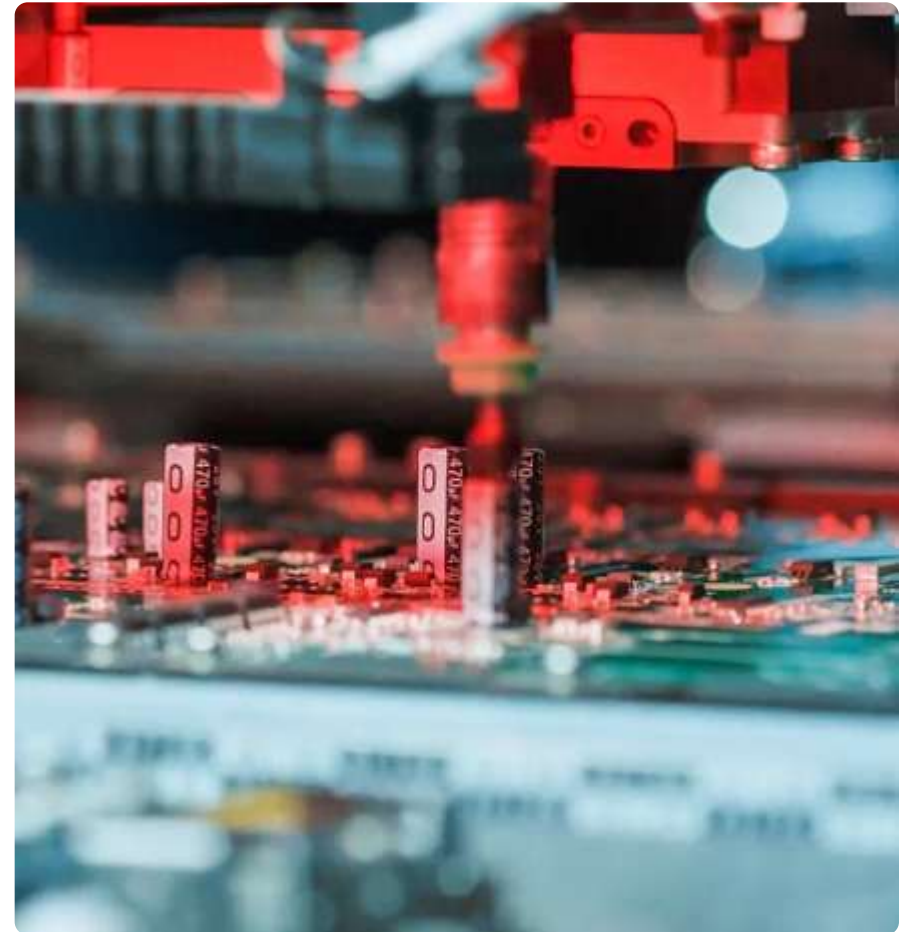
Assembly Line



Workshop Dynamic Monitoring



Auto Aging Test



Dual In-line Package Machine

Höchste Zuverlässigkeit aller Bauteile

100 % Markenqualität bei allen Schlüsselkomponenten.



TOSHIBA



ZETTLER



NCC株式会社

nichicon



STÄUBLI

Minebea

Panasonic



OMRON



Höchste Zuverlässigkeit der Produkte

Lange Lebenserwartung

Die prognostizierte Nutzungsdauer liegt am oberen Ende der von DNV·GL ausgewiesenen Lebensdauer von String-Wechselrichtern.



SolisCloud Der Server befindet sich in Deutschland, (Frankfurt)

SolisCloud Die Geräte sind nach ETSI EN 303 645 zertifiziert.

SolisCloud Entspricht der DSGVO und verfügt über eine spezielle IoT-Zertifizierung.

- Keine Standardpasswörter
- Häufige Software-Updates
- Schutz vor Cyberangriffen
- Sicherstellung des Schutzes persönlicher Daten
- Systemresilienz bei Ausfällen
- Einfache Möglichkeit für Nutzer, persönliche Daten zu löschen



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Certificate

Certificate Number: CG 50582287 0001	Report Number: 18024507 001								
License Holder: Ginlong technologies Co., Ltd. No.57 Jintong Road, Binhai, (seafont), Industrial Park, Xiangshan Ningbo 315712 Zhejiang P.R. China	Manufacturing Site: Ginlong technologies Co., Ltd. Room 1003, Building B, 4760 Jiangnan Avenue, Fuyan Street, Binjiang District, Hangzhou City, Zhejiang P.R. China								
Certification Mark: 	Certification acc. to: 2-PIG CH 0003/10.19 Type of product certification scheme: Test + Inspection + Certification								
<table border="1"> <thead> <tr> <th>Product Information</th> <th>Annual Fee Unit</th> </tr> </thead> <tbody> <tr> <td>Name of product: Information System IoT associated services</td> <td></td> </tr> <tr> <td>Type: SolisCloud APP and corresponding Service URLs</td> <td></td> </tr> <tr> <td>Technical Data: Service URLs: https://www.soliscloud.com</td> <td></td> </tr> </tbody> </table>		Product Information	Annual Fee Unit	Name of product: Information System IoT associated services		Type: SolisCloud APP and corresponding Service URLs		Technical Data: Service URLs: https://www.soliscloud.com	
Product Information	Annual Fee Unit								
Name of product: Information System IoT associated services									
Type: SolisCloud APP and corresponding Service URLs									
Technical Data: Service URLs: https://www.soliscloud.com									
<p>The certified IoT Service has high quality in accordance with Rheinland's IoT Service requirements. The assessment is based on Rheinland's Protected Privacy IoT Service Catalogue of Requirements (CH 0003), which is based on security experience and best practices, legal compliance assessment, technical verification, management system. For details, please refer to the test report.</p> <p>04-23 Date of expiry: 2026-04-23 Rheinland (China) Ltd.</p> <p>WeiKang</p> <p>certification body established by TÜV Rheinland International GmbH in China. This certificate is based on the assessment of TÜV Rheinland (China) Ltd. and states the conformity of the product with the requirements of China Mark certification scheme.</p> <p>TÜV Rheinland (China) Ltd. Building 4, No. 19, Xinghua South Road, Beijing Economic/Technological Development Area, Beijing (Yixiang) in high-tech industrial area of Beijing Pilot Free Trade Zone, P.R. China, 100176 Tel : +86 10 8524 2222, Fax : +86 10 8524 2200</p>									

A photograph of two construction workers on a rooftop solar panel array. The worker on the left is wearing a yellow hard hat and glasses, while the worker on the right is wearing an orange hard hat. They are both smiling and high-fiving each other. The solar panels are in the foreground, and the sky is in the background.

Solis D/A/CH Team



Solis D/A/CH Team

12

und am wachsen!



Service-Hotline ohne Gebühren! Rufen Sie uns kostenlos an



Deutschland: 0800 536 9147

Schweiz: 0800 563 032

Österreich: 0800 070 427



solis

www.solisinverters.com



Fragen? Ab ins Service Center!



FAQ / Wissen

[Hier lang!](#)



Ticket / Service

[Hier lang!](#)



Verfolge Solis Europe auf Social Media:



| Solis D/A/CH Service Performance





Solis Service Centre

Knowledge base - Online tickets - Troubleshooting - Installation videos and more

[CLICK HERE TO CREATE YOUR ACCOUNT](#)

2025

Total Calls
3456

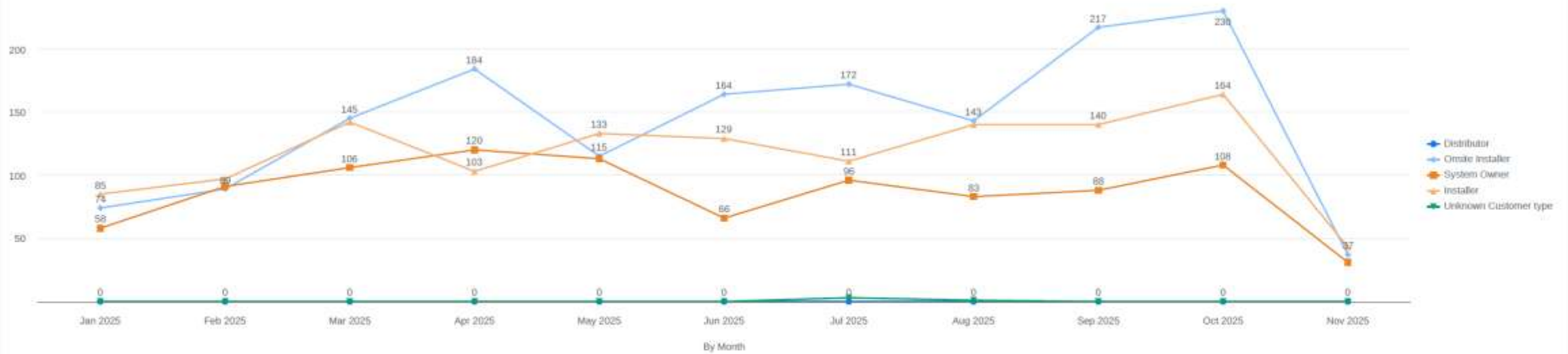
2025

Average Wait time
2m 31s

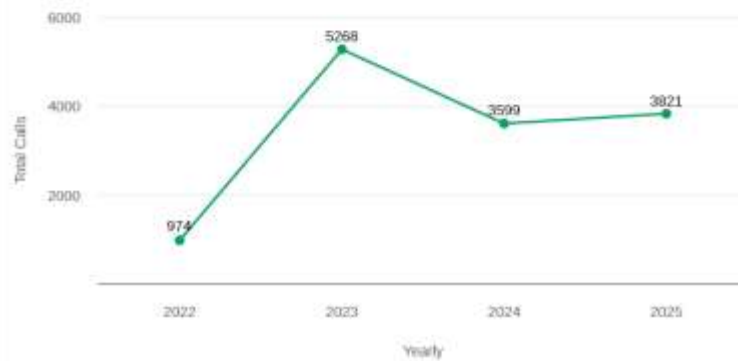
2025

Average Handle time
10m 35s

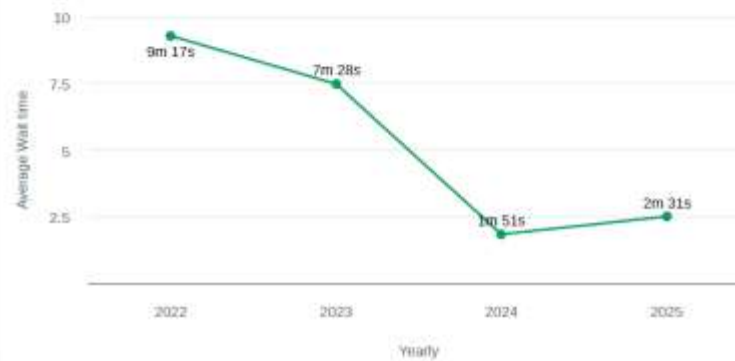
2025 - Total Calls per Customer Type



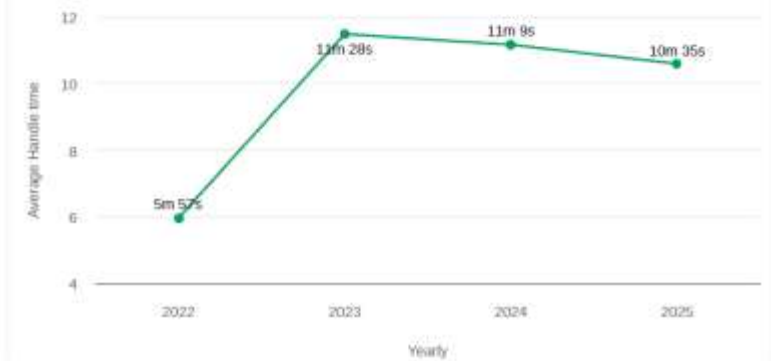
Total Calls YOY



Average Wait Time YOY



Average Handle Time YOY





Solis Service Centre
 Knowledge base - Online tickets - Troubleshooting - Installation videos and more
 1-800-387-4674

2025

Total Tickets created
3557

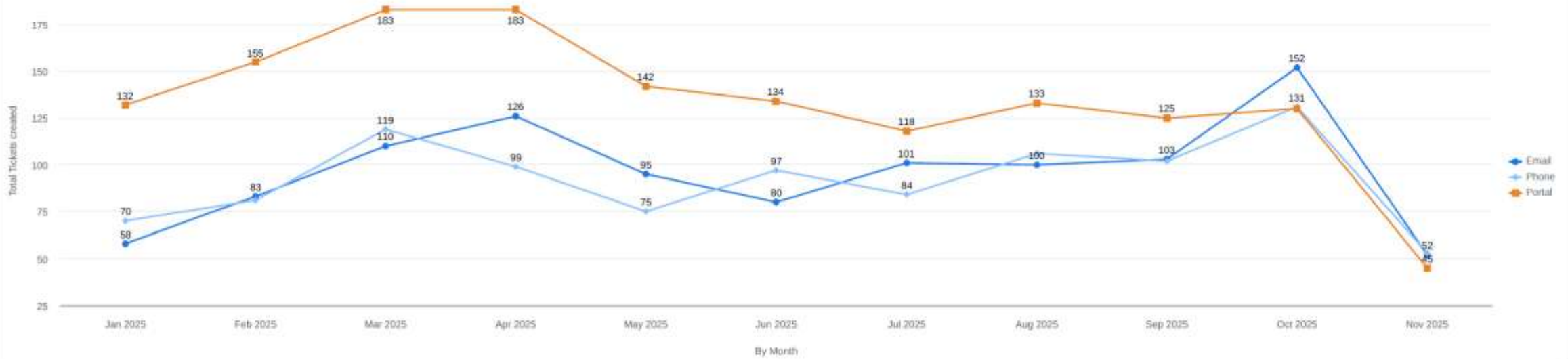
2025

Average First response time in business hours
1h 9m 15s

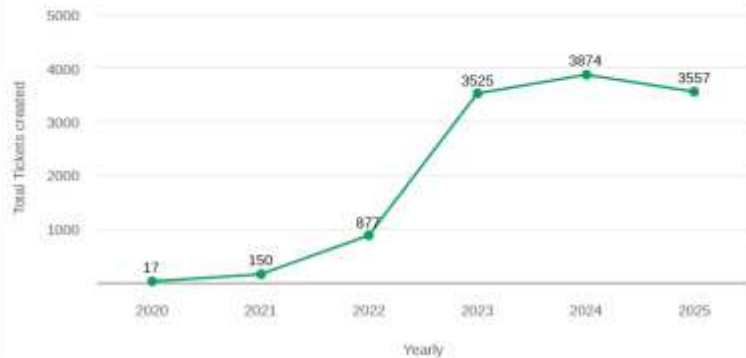
2025

Average Resolution time in business hours
1d 22h 11m 50s

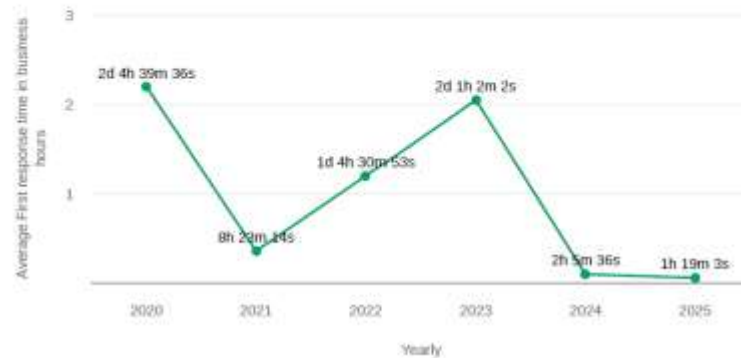
2025 - Tickets by Source



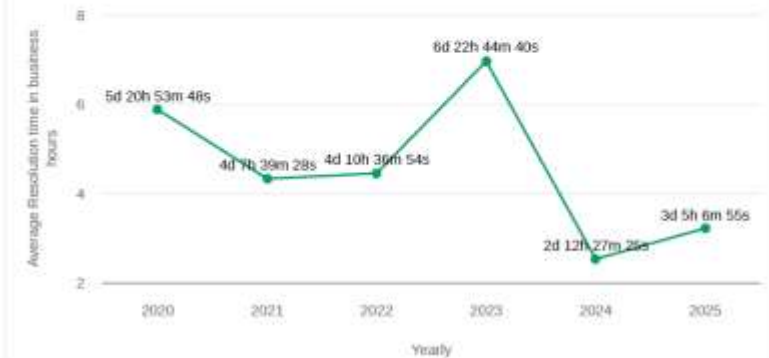
Total Tickets - YOY



First Response Time - YOY



Resolution Time - YOY





Solis YouTube Channel



Solis Europe

@soliseurope2817 1.93K subscribers 42 videos

Our Mission: Developing Technology to Power the World with Clean Energy >

solisinverters.com and 3 more links

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S3-WIFI-ST - Solis WIFI Stick Setup

44K views • 1 year ago



Solis Hybrid Inverter - Self-Use Setup

28K views • 1 year ago



Solis Hybrid Inverter - Self-Use with Time Charging

28K views • 1 year ago



Solis Hybrid Inverter and Puredrive battery installation

28K views • 1 year ago



Solis WIFI Stick Setup

28K views • 1 year ago



SolisCloud App Migration

21K views • 2 years ago

Hybrid Troubleshooting Series ▶ Play all



Solis Hybrid - No Battery Alarm

Solis Europe
3.4K views • 8 months ago



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Solis Europe
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Solis Hybrid Inverter - Meter Troubleshooting

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Solis Meter Installation - Phase Rotation

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1.2K views • 4 months ago



Solis Meter Installation - CT Polarity

Solis Europe
1.4K views • 4 months ago





Danke!

Solis: The World's 3rd Largest PV Inverter Manufacturer